

CLAIMS

What is claimed is:

1 1. An actuating device comprising:

2 a base part;

3 a movable part which can pivot about a pivot axis with respect to said
4 base part;

5 a push/pull rod having a first end which is pivotably coupled to one of said
6 movable part and said base part at a distance from said pivot axis, and a second end
7 which is movable along a guide path on the other of said movable part and said base
8 part, said guide path extending transversely to said pivot axis; and

9 a driving device comprising a first cable which pulls said second end of
10 said rod in a first direction on said guide path, a second cable which pulls said second
11 end of said rod in a second direction on said guide path, and at least one cable drum for
12 winding said cables.

1 2. An actuating device as in claim 1 wherein said driving device
2 comprises a first cable drum for said first cable and a second cable drum for said
3 second cable, said drums being driven so that one cable is being wound while the other
4 cable is being unwound.

1 3. An actuating device as in claim 1 wherein said driving device
2 comprises a common cable drum for both of said cables, and a motor which can be
3 reversed so that one cable is being wound while the other cable is being unwound.

1 4. An actuating device as in claim 1 wherein said driving device
2 comprises an electric motor for driving said at least one cable drum.

1 5. An actuating device as in claim 4 wherein said motor drives said at
2 least one cable drum via gears.

1 6. An actuating device as in claim 1 further comprising a deflection
2 pulley guiding at least one of said cables.

1 7. An actuating device as in claim 1 further comprising at least one
2 deflection pulley for guiding at least one of said cables in the manner of a block and
3 tackle.

1 8. An actuating device as in claim 1 further comprising a sheath
2 surrounding at least one of said cables to form a respective at least one Bowden cable.

1 9. An actuating device as in claim 1 wherein said guide path is a
2 rectilinear guide path.

1 10. An actuating device as in claim 1 further comprising a slideway
2 along said guide path and a slide which is displaceable in said slideway, said second
3 end of said push/pull rod being pivotably connected to said slide.

1 11. An actuating device as in claim 1 further comprising a sensor for
2 detecting a position of said movable part relative to said base part.

1 12. An actuating device as in claim 11 wherein said sensor is a
2 rotational position sensor.

1 13. An actuating device as in claim 12 wherein said rotational position
2 sensor detects the rotational position of the movable part.

1 14. An actuating device as in claim 12 further comprising an electric
2 motor for driving said at least one cable drum, said sensor detecting the rotational
3 position of said motor.

1 15. An actuating device as in claim 11 wherein said sensor detects the
2 position of said second end of said push/pull rod.

1 16. An actuating device as in claim 11 wherein said sensor comprises a
2 potentiometer.

1 17. An actuating device as in claim 1 wherein said driving device
2 further comprises a clutch via which said cable drum is driven.

1 18. An actuating device as in claim 17 wherein said clutch is an
2 electromagnetic clutch.

1 19. An actuating device as in claim 18 wherein said electromagnetic
2 clutch is open in a non-energized state and closed in an energized state.

1 20. An actuating device as in claim 1 wherein said driving device
2 comprises a self-locking electric motor.

1 21. An actuating element as in claim 1 further comprising a force
2 accumulator arranged between said base part and said movable part.

1 22. An actuating device as in claim 21 wherein said force accumulator
2 is a piston-cylinder unit having a cylinder connected to one of said base part and said
3 movable part, and a piston connected to the other of said base part and said movable
4 part.

1 23. An actuating device as in claim 1 further comprising a fixing
2 element arranged between the base part and the movable part, said fixing element
3 retaining said movable part in a fixed position when said driving device is not actuated.

1 24. An actuating device as in claim 23 wherein said fixing element
2 provides a retaining force which is eliminated when said driving device is actuated.

1 25. An actuating device as in claim 24 wherein said fixing element is a
2 piston-cylinder unit having a cylinder connected to one of said base part and said
3 movable part, and a piston connected to the other of said base part and said movable
4 part.

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